

What is claimed is:

1. A method for cutting a glass sheet, comprising the steps of:

forming a linear groove in a glass sheet along a
5 programmed cutting line that is set for the glass sheet; and
applying local pressure to an end of the groove.

2. The method for cutting a glass sheet according to
claim 1, wherein

said applying of local pressure is a step of making a
10 crack along the groove.

3. A method for cutting a glass sheet, comprising the steps of:

forming a linear groove in a glass sheet along a
programmed cutting line that is set for the glass sheet; and
15 arranging an elastic plate at an end of the groove
for dissipating pressure and arranging a pressure absorber
on the rear surface of the glass sheet opposing the end of
the cutting line.

4. The method for cutting a glass sheet according to
20 claim 1, further comprising the step of lifting one of two
sections of the glass sheet divided by the groove with
respect to the other one to from a V-shape section together,
by using the groove as the fulcrum.

5. The method for cutting a glass sheet according to
25 claim 3, further comprising the step of lifting one of two
sections of the glass sheet divided by the groove with
respect to the other one to from a V-shape section together,
by using the groove as the fulcrum.

6. The method for cutting a glass sheet according to
claim 1, wherein

the glass sheet is used as a front substrate or a
rear substrate of a plasma display panel.

5 7. The method for cutting a glass sheet according to
claim 3, wherein

the glass sheet is used as a front substrate or a
rear substrate of a plasma display panel.

8. A method for manufacturing a PDP device,
10 comprising the steps of:

producing a plasma display panel;

incorporating the plasma display panel into a module
together with a circuit for driving the plasma display
panel; and

15 electrically connecting an interface to the module,
the interface for transmitting an image signal after
converting the format thereof to the module, wherein
in the first step, the method for producing the
plasma display panel according to claim 5 is performed.

20 9. An apparatus for cutting a glass sheet comprising:
an elastic plate arranged at an end of a programmed
cutting line of a glass sheet, for dissipating pressure;
a pressure absorber arranged on the rear surface of
the glass sheet opposing the end of the cutting line; and
25 a pressurizing mechanism for applying pressure to the
elastic plate.

10. The apparatus for cutting a glass sheet according
to claim 9, wherein

the pressurizing mechanism makes a crack along and over the programmed cutting line.

11. The apparatus for cutting a glass sheet according to claim 9, further comprising a driving mechanism for
5 lifting one of two sections of the glass sheet to be separated from each other by the programmed cutting line, with respect to the other one so as to form a V-shape section.

12. The apparatus for cutting a glass sheet according
10 to claim 9, wherein

the pressurizing mechanism further comprising a pressurizing needle for transferring pressure to the glass sheet.

13. The apparatus for cutting a glass sheet according
15 to claim 12, wherein

a tip end of the pressurizing needle is pointed to the programmed cutting line and is formed sharp.

14. The apparatus for cutting a glass sheet according to claim 13, wherein

20 the tip end is formed sharp to take a form of a point.

15. The apparatus for cutting a glass sheet according to claim 13, wherein

the tip end is formed sharp to take a form of a line.

16. The apparatus for cutting a glass sheet according
25 to claim 13, wherein

the tip end is formed sharp to take a form of a semispherical surface, or a semicylindrical surface.

17. An apparatus for cutting a PDP substrate, having

a pressurizing mechanism for applying cutting induction force to a programmed cutting line set for a glass sheet,
the pressurizing mechanism comprising:

an applying member mounted on the side of a first
5 surface of the glass sheet for applying cutting induction force to the glass sheet from the side of the first surface;
and

10 a support arranged on the side of a second surface of the glass sheet in opposition to the applying member for elastically supporting the glass sheet from the side of the second surface.

18. The apparatus for cutting a PDP substrate according to claim 17, wherein

15 the support is formed of an elastic displacement member directly joined to the second surface and a rigid body supporting the elastic displacement member.

19. The apparatus for cutting a PDP substrate according to claim 18, wherein

20 the elastic displacement member is formed from silicon rubber.

20. The apparatus for cutting a PDP substrate according to claim 17, wherein

25 a tip end of the applying member is formed sharp to take a form of a point, a line, a semispherical surface, or a semicylindrical surface.

21. The apparatus for cutting a PDP substrate according to claim 17, wherein

the pressurizing mechanism is formed by:

a first suction member attached to the second surface side of one of the sections of the glass sheet to be divided by the programmed cutting line so as to adhere by suction to the second surface;

5 a second suction member attached to the second surface side of the other section of the glass sheet to be divided by the programmed cutting line so as to adhere by suction to the second surface; and

10 a driver for displacing the second suction member to the direction of the first surface with respect to the first suction member.

22. The apparatus for cutting a PDP substrate according to claim 21, further comprising a streak marking unit for marking a streak along the programmed cutting line,
15 wherein

the applying member makes a crack at an end of the streak, and the first and the second suction members cut the glass sheet.